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CENTRAL INTELLIGENCE AGENCY

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SUBJECT Production and Personalities at Elektrochemisches Kombinat Bitterfeld

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1. The South plant (Werk Sued) of the Elektrochemisches Kombinat Bitterfeld (EKB) is used to graphitize materials sent from Siemens-Plania plant in Berlin-Lichtenberg, Herzbergstrasse. The materials are returned to Siemens-Plania for the most part.
2. Materials processed and shipped out include the following:
 - a) Electrodes in the following sizes:
 - 10 cm. diameter x 1.5 meter length
 - 1.5 meter length and 1.8 meter length in the following diameters:
 - 15 cm., 18 cm., 20.7 cm., 23.7 cm., 25.9 cm., 30.9 cm., 35.9 cm., 44.5 cm.
 - 1 meter and 1.5 meter length with 46.5 cm. diameter.

The largest of these weigh up to 888 pounds (8 Zentner). In 1952, 1,000 metric tons of the various size electrodes were processed monthly. The goal for 1953 is 1,400 tons monthly; the ultimate aim is 2,000 tons monthly. Some quantities (exact figures unknown) of the 23.7, 25.9 and 30.9 electrodes were shipped to V.B. Grudersohn after processing.
 - b) Rods: 1 and 1.5 meters long with diameters of 25, 30, 35, 40, 50, 60, 80 mm.
 - c) Special carbons: 12 x 10 x 1.5 cm, as hard as glass. Sent by and returned to Siemens-Plania packed in sawdust in special containers. Accurate count control is kept.
 - d) Square carbons: 3 x 3 x 24 cm. long.
 - e) Blocks: 10 carloads of 15 tons each were received in December. Size of blocks: 1.5 m. x 50 cm. x 20 cm. Blocks are graphitized, polished, planed, and cut into plates 50 x 20 x 5 cm.; 65 x 20 x 5 cm.; 6 x 6 x 50 cm. The latter size was shipped mainly to Czechoslovakia. The bulk of these plates were said to have been reparation materials.

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- f) Square blocks: 15 cm. square x 2 meters long. Some, exact amount unknown, were also sent to Westeredel, bulk to Siemens-Plania.
 - g) Plates: 60 to 65 cm. long x 20 cm. wide x 5 to 6 cm. thick. In the middle of the plate is a threaded hole of approximately 6 cm. diameter into which fits a threaded electrode 40 to 50 cm. long. At one end of the electrode is a hole about 1.5 cm. diameter and approximately 15 cm. long for connecting an electric cable. On the bottom are six slots 1 to 2 cm. deep. These plates are used at EKB in salt disintegration (Salzzersetzung). (Sketch A)
 - h) Triangular rods: 15 cm. on each side, 50 cm. long. An electrode is screwed into a hole on one side. Size of electrode is as above in g. (Sketch B)
 - i) Graphitized plates 20 x 20 x 5 cm., without holes, are sent to the Filmfabrik Agfa Wolfen. Electrodes, 50 x 6 cm. diameter, are sent separately.
 - j) Graphitized plates, 50 cm. long, without holes, are sent to Bunawerk Schkopau. Shipments of 15 to 24 tons each go out monthly. Electrodes are included with shipment.
 - k) Plates: 60 cm. long x 10 cm. wide x 1.5 cm. thick, with slotting and milling. They are sent to Siemens-Plania, although one shipment went to Czechoslovakia. (Sketch C)
 - l) Plates: 1 meter long x 18 to 20 cm. wide x 5 cm. thick.
3. Graphite used in graphitizing process is a powder made from anthracite coal. It is known as "B-Powder" (B-Pulver). Used also in the B-Powder are scraps from planing and cutting processes. The powder costs 12.50 DME per kilogram. A better grade, "A-Powder," costs 14 DME per kilogram.
 4. The graphitizing process takes 76 hours. At times graphitized carbon is loaded on railroad cars so soon after removal from tile ovens that its heat sets railway cars on fire.
 5. Graphitized carbons are tested electronically prior to shipment. In 1950 Russian personnel, in officers' uniform and civilian dress, frequently checked the products; since then Russians have checked only at rare intervals.
 6. An electrode of 20.7 cm. diameter is valued at about 300-400 DME. An electrode 25.9 cm. diameter x 1.8 meter long was valued at 600 DME when ready for shipment.
 7. The following are production figures for graphitizing process:
 - 1949: 700 metric tons per month
 - 1950: 1100 metric tons per month
 - 1951: 1100 metric tons per month
 - 1952: 1200 metric tons per month

During the war about 300 to 400 tons were processed monthly. It is generally believed at EKB that the processed materials are reparations orders.

8. The following are known EKB personnel:
 - a) Diplom-Ingenieur (fnu) Winkler, general superintendent of EKB;
 - b) Dr. (fnu) Bauer, plant manager and in charge of shipment of electrodes; surveilled by a woman, (fnu) Kuehler.
 - c) Meister Arthur Polz, SED functionary, delegate to the Volkskammer, Held der Arbeit; in charge of shipments.
 - d) Foreman Walter Teubert, shift foreman in shipping; lives in Zerbich.¹

Comment: Possibly Serbits near Bitterfeld.

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